

IN THE CLAIMS:

1. (Original) A gas flow generator comprising:
an ultrasonic driver comprising a piezoelectric or electrostrictive transducer mounted on a substrate, operation of the transducer being arranged to cause the driver to bend;
a first membrane disposed on or formed integrally with the transducer or the substrate; and
a second membrane mounted substantially parallel with the driver and spaced a given distance therefrom,
one of the membranes being perforate, whereby ultrasonic bending of the driver on actuation of the transducer causes a gas flow through the perforate membrane.
2. (Original) A gas flow generator according to claim 1, wherein either or both of the first or second membranes is perforate.
3. (Original) A gas flow generator according to claim 1, wherein the second membrane is disposed on or formed integrally with a second ultrasonic driver.
4. (Currently Amended) A gas flow generator according to ~~one of claims 1 to 3~~ claim 1, wherein one or each of the ultrasonic drivers is a piezoelectric transducer.

5. (Original) A gas flow generator according to claim 4, wherein the substrate and the piezoelectric transducer have substantially comparable stiffness.

6. (Currently Amended) A gas flow generator according to ~~any one of the preceding claims~~ claim 1, wherein the ultrasonic driver is annular.

7. (Currently Amended) A gas flow generator according to ~~any one of the preceding claims~~ claim 1, wherein the second membrane is supported on the substrate of the driver by a spacer.

8. (Original) A gas flow generator according to claim 7, wherein the spacer is generally annular and has an opening through which gas can flow into and out of a cavity formed between the driver and the second membrane.

9. (Currently Amended) A gas flow generator according to ~~claim 7 or 8~~ claim 7, wherein the spacer is mounted on an annulus which is connected to the ultrasonic driver by means of a plurality of spokes.

10. (Currently Amended) A gas flow generator according to ~~any one of the preceding claims~~ claim 1, wherein one or both of the first and second membranes is provided with one or more channels.

11. (Currently Amended) A gas flow generator according to ~~any one of claims 1 to 5~~ claim 1, wherein the ultrasonic driver is linear.